

Planetary Encounters



Task 1: Choose a planet and list five features that describe it.

eg. **Planet:**

1.Colour:

2.Surface:

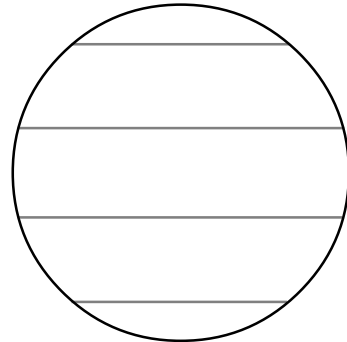
3.

4.

5.

Now describe or draw an alien that would live on this planet, suited to the conditions you wrote above.

Task 3: Use the *Turbulent Orb* exhibit to create stormy patterns within the sphere. Observe the patterns in each layer and sketch what they look like in the diagram below.



Task 4: Below is a list of solar system objects and different types of spacecraft used for exploration. Draw a line between the spacecraft and planet that would be best to explore it. Remember there may be more than one way to explore each object.



Task 2: Calculate your age on the *How old are you?* exhibit for the planets listed below.

Earth _____ years

Venus _____ years

Mars _____ years

Saturn _____ months

Neptune _____ months



Task 5: Choose a planet and design a mission by briefly answering the following questions.

Planet: _____

Type of Spacecraft (see task 4):

What are to going to study there?

Name of mission: _____